

ORD Problem Solved!

Extreme Chemical Resistance

Parker ULTRA Compound FF580-75



What's one of the most challenging elements in sealing? Chemical compatibility. When it comes to having aggressive chemicals or a wide range of chemicals in your process stream, you need a material that you can depend on. That's where Parker ULTRA Compound FF580-75 comes in. Compound FF580-75 was developed for the most extreme chemical resistance in the market today. If you have an application where chemical resistance is your Achilles' Heel, give FF580-75 a try.

Success Story

Application:

Chemical processing plant with process streams of various chlorinated hydrocarbons, organic peroxides, and glycol ethers.

Problem:

Because of the mixture of chemicals used, perfluoroelastomer (FFKM) was really the only choice for this application. The issue was that even though the FFKM material being used was "working", the customer was looking for something that would extend their PM cycle out even further for little or no cost increase.

Parker Solution:

Parker ULTRA compound FF580-75 was submitted for test. According to in-house testing, FF580-75 was proven to have best in class chemical resistance compared to Parker's own offering as well as the "leading" competitors in the market.

Outcome:

After approximately 6 months of testing, Parker ULTRA FF580-75 was approved by the end customer. Not only did compound FF580-75 lengthen the scheduled PM cycle, but the end customer also noticed a reduction in metal contamination from the seal in their process stream. These two factors paved the way for FF580-75 to completely displace the competitive product throughout the customer's entire process stream. For further details on this application success, call Parker O-ring Division at 859-269-2351.

